Encroachment Impacts on OT&E of Advanced Weapon Systems

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SECDEF VIEW

Testimony to the Senate Armed Services Committee,

January 11, 2001

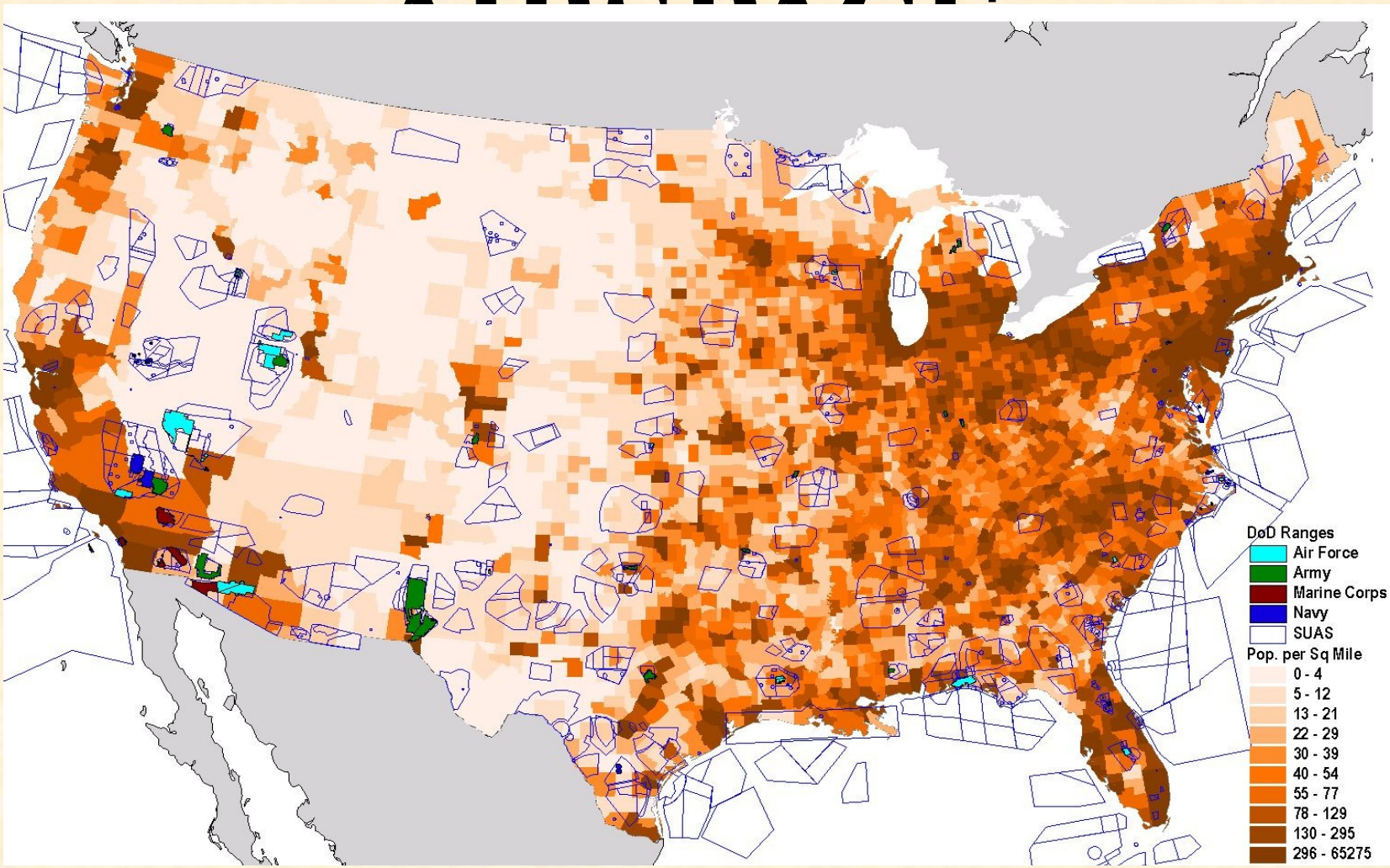
Encroachment "is a problem that is real, it is serious. The United States needs bases, it needs ranges, it needs test ranges. And it cannot provide the training and testing that people need before they go into battle unless those kinds of facilities are available."

"Each year that goes by, there are greater and greater pressures on them."

ENCROACHMENT PRESSURES Work Both Ways

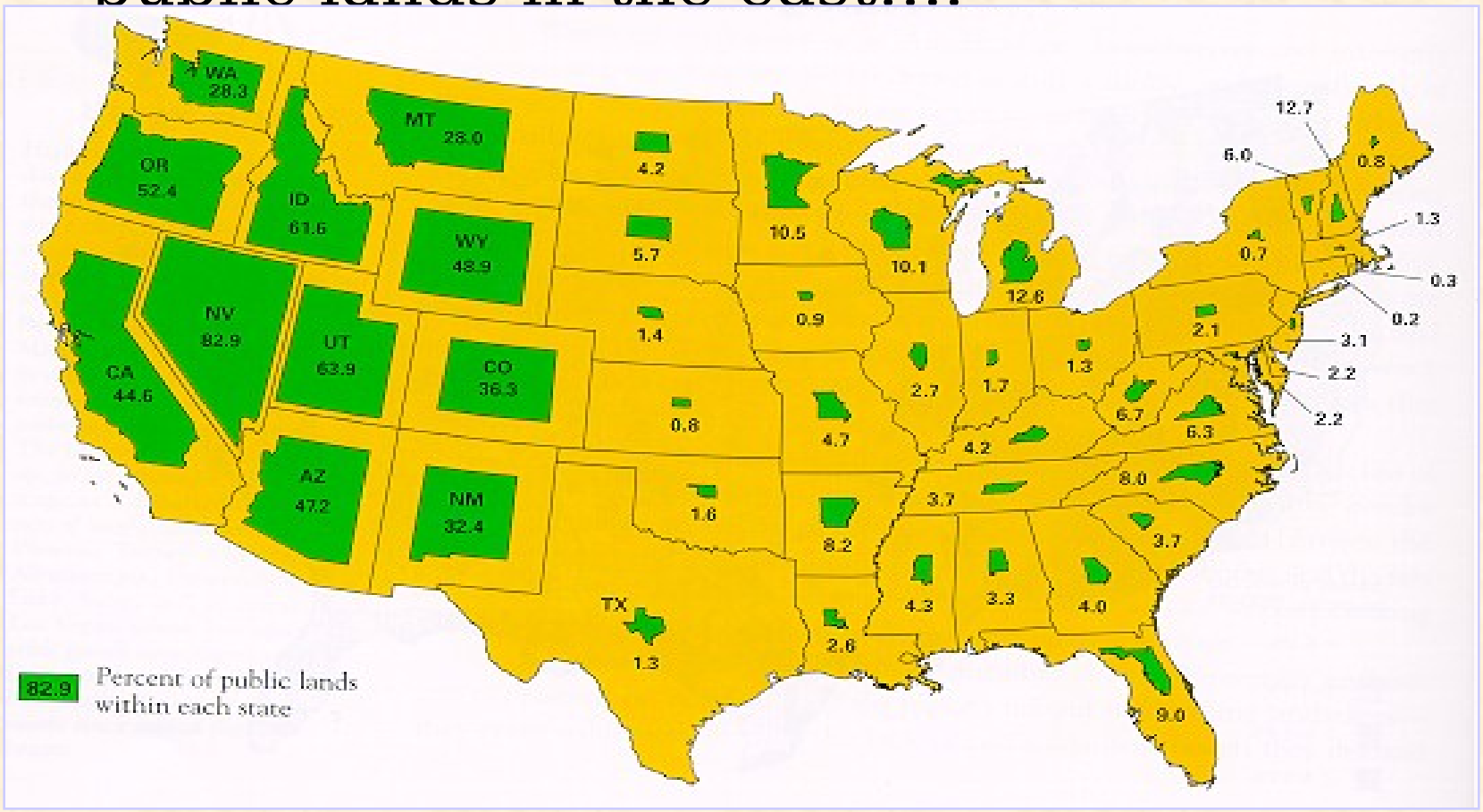
Reduced Flexibility for the Military and the Com

POPULATION, DOD RANGES AND AIRSPACE



RUNNING OUT OF SPACE

Indirect impact of increasing scarcity of public lands in the east….



AIR, LAND & SEA SPACE

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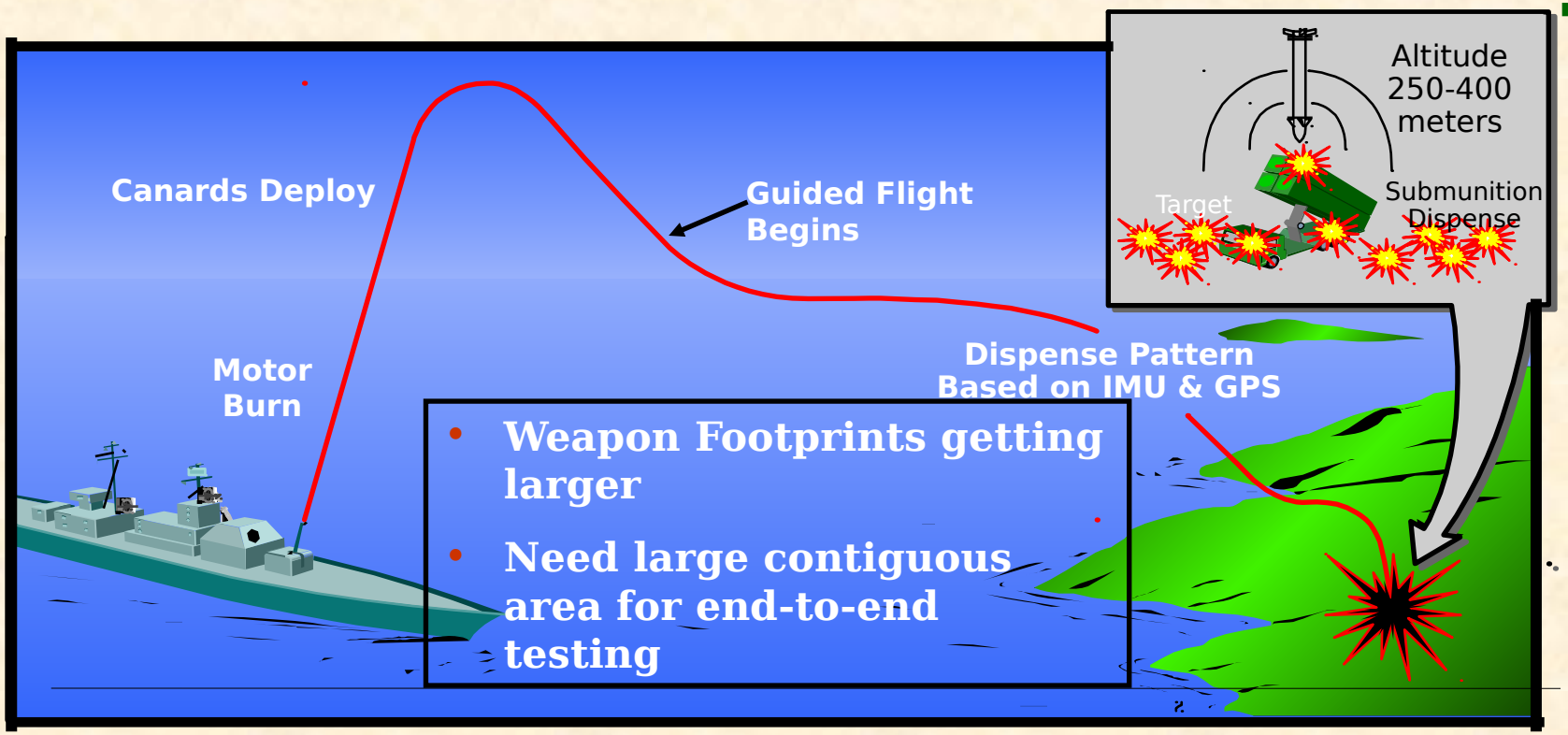
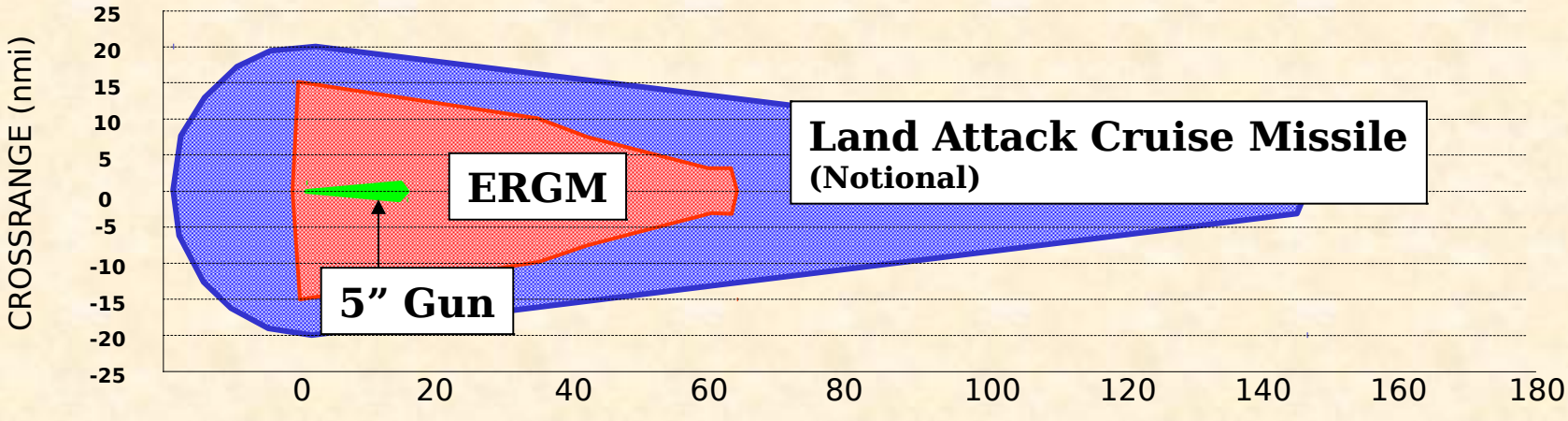
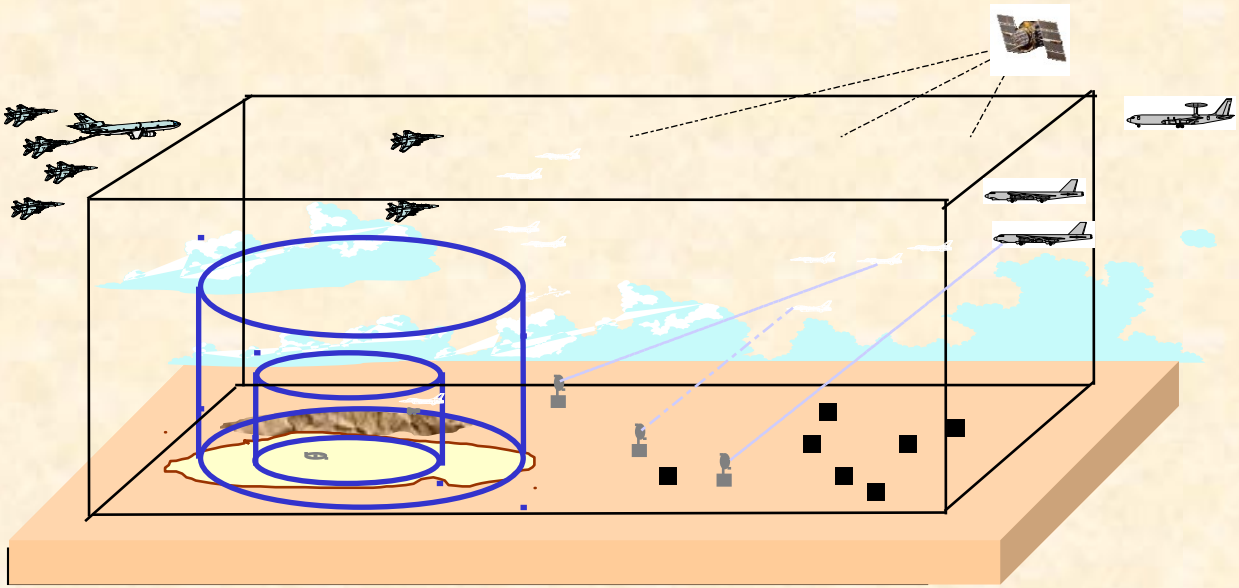




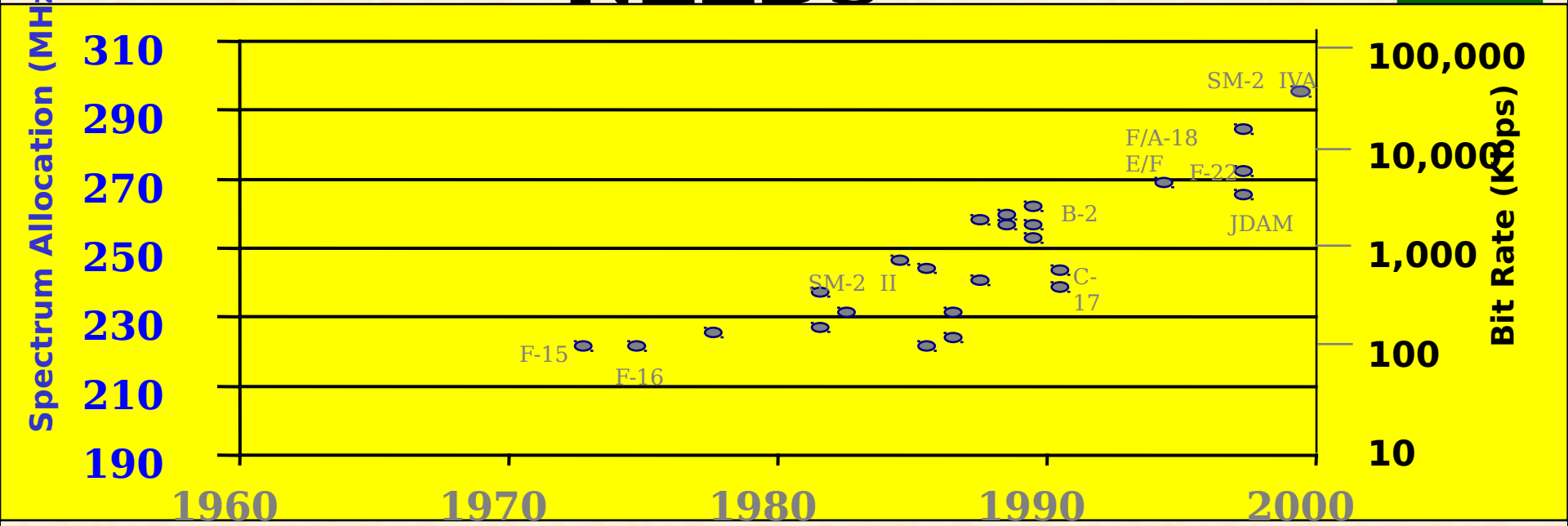
RANGE SPACE REQUIREMENTS

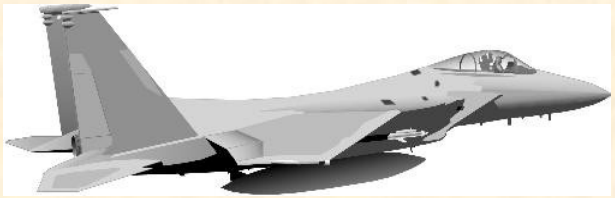
- Higher performance systems
- Stand-off & long-range weapons
- Increasingly sophisticated training



Smaller Force Doesn’t Mean Reduced Range/Airspace Ne

FREQUENCY SPECTRUM NEEDS





In 1986, the data rate for the F-15 was 256 Kbps

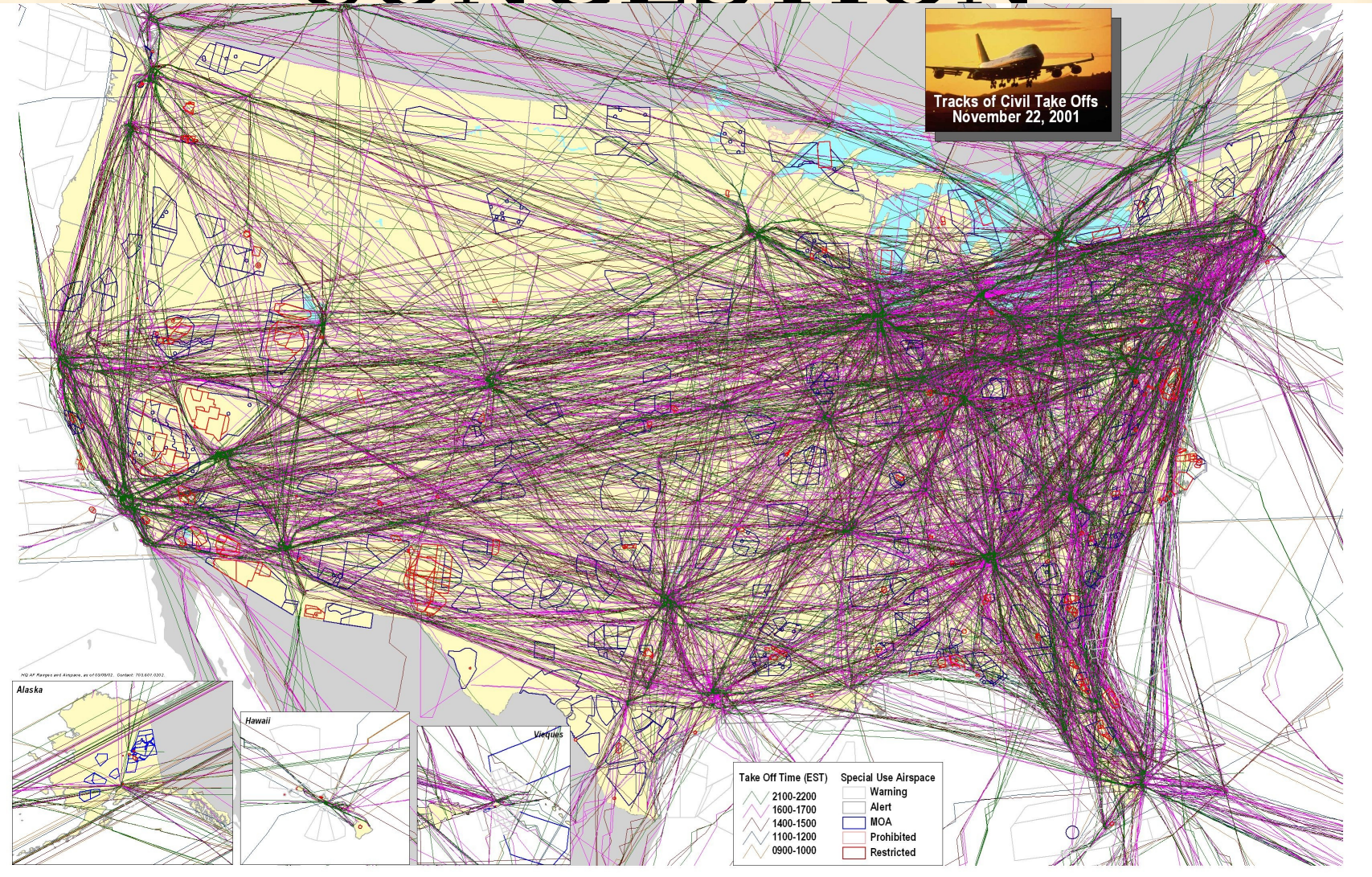
- **Transducer data (Accelerations, pressures, temperatures, vibrations, stress, fluid quantities, fluid flows, voltages, currents)**
- **Avionics bus data**

In 1997, the data rate for the F-22 was 5 Mbps

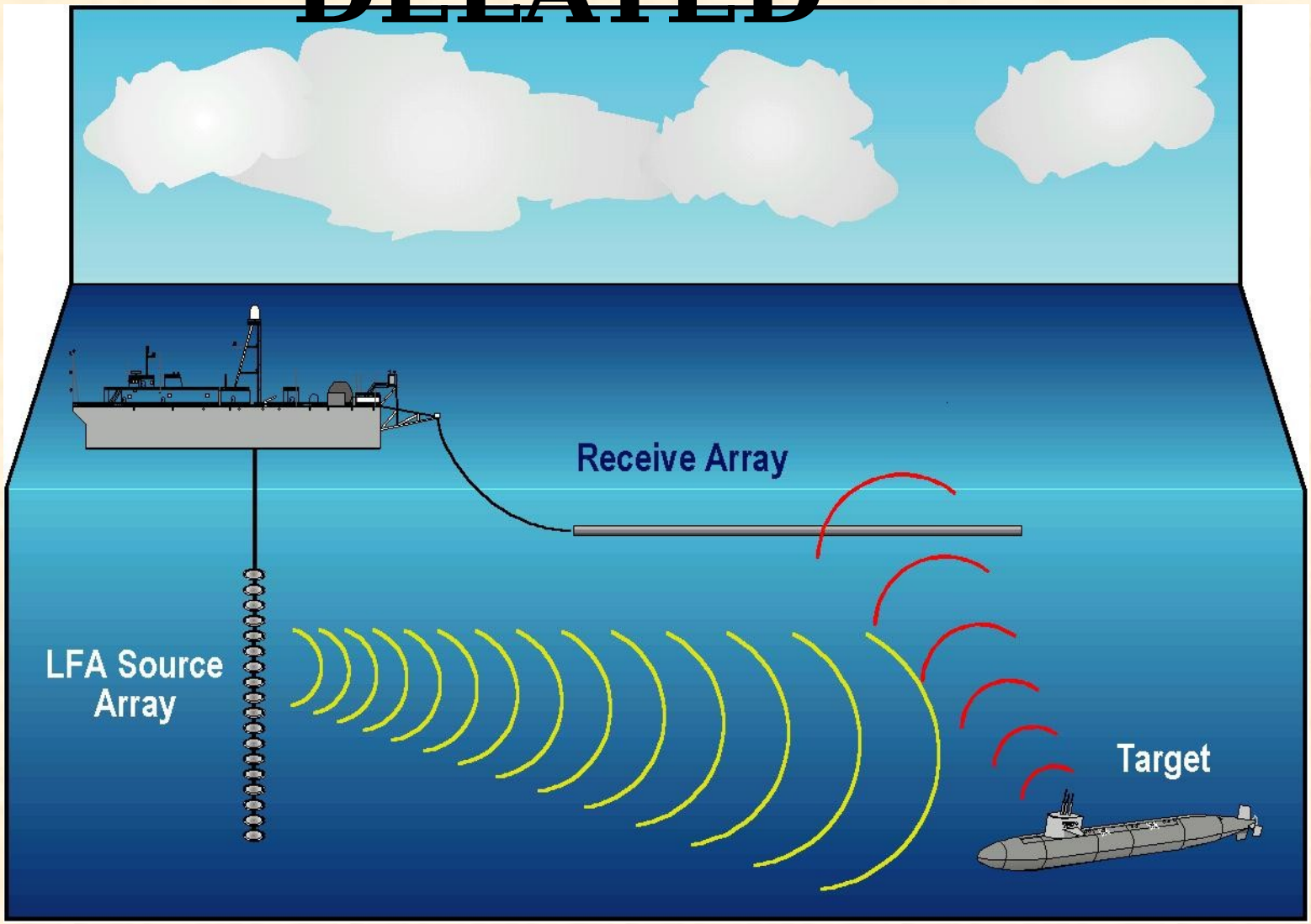
- **Transducer data**
- **Avionics bus data**
- **Video data**
- **Heads Up Display data**

The data rate requirements for future hypersonic aircraft will be astronomical

AIRSPACE CONGESTION



LFA SONAR T&E DELAYED



OFFICE of NAVAL RESEARCH LITTORAL TESTS DELAYED

- **Over the last 6 years, 78% of research of mine and shallow water submarine detection delayed, scaled back, or cancelled**
- **The last 4 years, 9 of 10 tests affected and 17 associated projects scaled back**
- **Navy sued by an NGO in Fall 2001 to stop shallow water testing**
  - **Court sided with Navy but left each individual test open to litigation over environmental compliance**
  - **Court also ruled NEPA applies outside US Exclusive Economic Zone (EEZ)**

Predecisional – DRAFT for discussion

WHAT ARE WE DOING??

We Must Not Respond to Encroachment By Retreating to Our Base Boundary. Standing In Your Bathtub As Your House Burns Around You Is A Good Way to Be Incinerated.

DoD Is Actively Pursuing A Readiness And Ranges Preservation Initiative (RRPI)

Questions ?
Serving our Country...
Preserving our Freedom...